

Title (en)

PAIRING CONTROL METHOD AND DEVICE IN POWER TRANSMISSION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PAARUNGSSTEUERUNG BEI EINER KRAFTÜBERTRAGUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE D'APPARIEMENT LORS D'UNE TRANSMISSION DE PUISSANCE

Publication

**EP 3992016 A4 20230607 (EN)**

Application

**EP 20849585 A 20200708**

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- US 201962901477 P 20190917
- KR 2020008952 W 20200708

Abstract (en)

[origin: EP3992016A1] Disclosed is a pairing control method performed by a supply equipment communication controller (SECC) that controls power supply to an electrical vehicle. The pairing control method according to the present invention may comprise the steps of: performing a charging session start procedure with an electrical vehicle (EV); exchanging one or more pairing messages with the electrical vehicle; generating information on one or more alternative SECCs when pairing with the electrical vehicle fails; and transmitting a pairing response message including information on the one or more alternative SECCs to the electrical vehicle.

IPC 8 full level

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Citation (search report)

- [I] US 2017164179 A1 20170608 - JEON BYUNG SEUNG [KR], et al
- [A] US 2016075249 A1 20160317 - GRABAR SIMON [DE], et al
- [A] "Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for communication between electric road vehicle (EV) and infrastructure", 13 June 2019 (2019-06-13), pages 1 - 84, XP082032361, Retrieved from the Internet <URL:https://api.iec.ch/harmonized/publications/download/318183> [retrieved on 20190613]
- See also references of WO 2021025306A1

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